Joint Capability Areas

March 2008

Joint Staff J-7, JETCD
703-697-8646

Outline

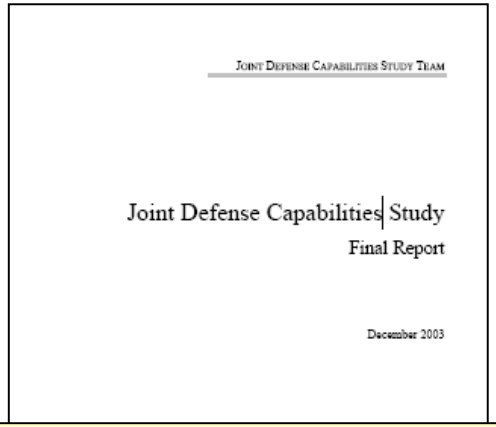
- What are they
- Why do we need them
- Why did we conduct baseline reassessment
- How they are being used
- Way forward

JCAs…What Are They?

"…integral part of the evolving Capabilities-Based Planning process…the beginnings of a common language to discuss and describe capabilities across many related Department activities and processes." (SecDef Memo, 6 May 2005)

JCAs are collections of like DOD activities functionally grouped to support capability analysis, strategy development, investment decision making, capability portfolio management, and capabilities-based force development and operational planning. (JCA Baseline Reassessment Terms of Reference)

JCA Intent and Guidance



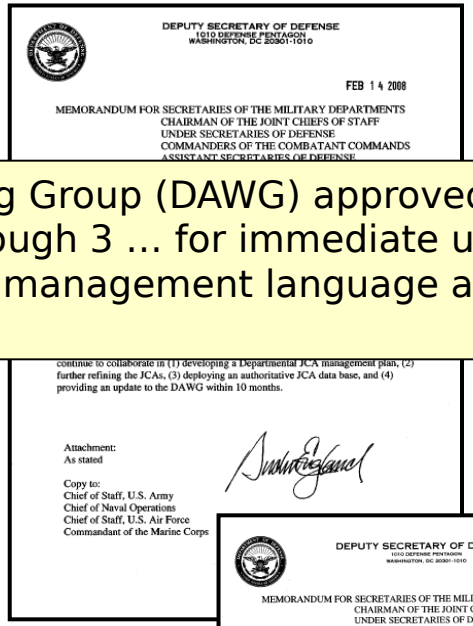
JOINT DEFENSE CAPABILITIES STUDY TEAM

Joint Defense Capabilities Study

Final Report

December 2003

"The Deputy's Advisory Working Group (DAWG) approved the new JCA framework, tiers 1 through 3 … for immediate use as the Department's capability management language and framework."



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FEB 14 2008

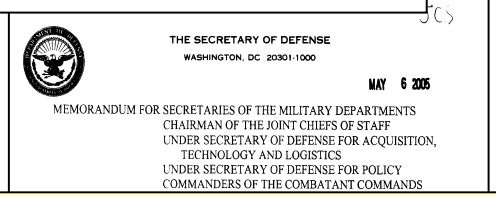
MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
COMMANDERS OF THE COMBATANT COMMANDS
ASSISTANT SECRETARIES OF DEFENSE

continue to collaborate in (1) developing a Departmental JCA management plan, (2) further refining the JCAs, (3) deploying an authoritative JCA data base, and (4) providing an update to the DAWG within 10 months.

Attachment:
As stated

Copy to:
Chief of Staff, U.S. Army
Chief of Naval Operations
Chief of Staff, U.S. Air Force
Commandant of the Marine Corps

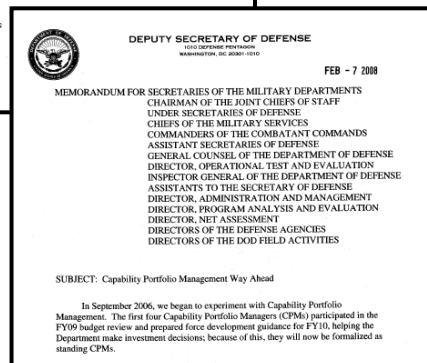
"…these manageable groups provide a common lexicon to compare Service contributions to joint warfighting and enterprise support and, therefore, support cross-Service trades."



THE SECRETARY OF DEFENSE
WASHINGTON, DC 20301-1000

MAY 6 2005

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARY OF DEFENSE FOR ACQUISITION, TECHNOLOGY AND LOGISTICS
UNDER SECRETARY OF DEFENSE FOR POLICY
COMMANDERS OF THE COMBATANT COMMANDS



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FEB - 7 2008

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
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UNDER SECRETARIES OF DEFENSE
CHIEFS OF THE MILITARY SERVICES
COMMANDERS OF THE COMBATANT COMMANDS
ASSISTANT SECRETARIES OF DEFENSE
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE
DIRECTOR, OPERATIONAL TEST AND EVALUATION
INSPECTOR GENERAL OF THE DEPARTMENT OF DEFENSE
ASSISTANTS TO THE SECRETARY OF DEFENSE
DIRECTOR, ADMINISTRATION AND MANAGEMENT
DIRECTOR, PROGRAM ANALYSIS AND EVALUATION
DIRECTOR, NET ASSESSMENT
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Capability Portfolio Management Way Ahead

In September 2006, we began to experiment with Capability Portfolio Management. The first four Capability Portfolio Managers (CPMs) participated in the FY09 budget review and prepared force development guidance for FY10, helping the Department make investment decisions; because of this, they will now be formalized as standing CPMs.

"As an integral part of the evolving Capabilities-Based Planning process…Joint Capability Areas representing the beginnings of a common language to discuss and describe capabilities across many related Department activities and processes."

Capability Portfolio	*SWARF Lead*	*CPM Civilian Lead*	*CPM Military Lead*	*CPM JS OPR*	*Functional Capability Boards*
Command & Control	JFCOM	ASD(NII)	JFCOM	J3	JFCOM
Battlespace Awareness	STRATCOM	USD(I)	STRATCOM	J2	J2
Net-Centric	STRATCOM	ASD(NII)	STRATCOM	J6	J6
Logistics	TRANSCOM	USD(AT&L)	TRANSCOM	J4	J4
Building					

PMs, we will experiment with the
w cycle. Following this, we will
ted.

and military leads for each of the
We will leverage the expertise of
ational proponency to their
and Joint Staff offices, as designated
ies.

OSD 01824-08

Attachments:
As stated

"The matrix below outlines the initial civilian and military leads for each of the nine CPMs and organizations associated with each."

What Problem Does JCAs Address?

- **DOD processes currently talk in five different languages…**
  - Policy talks in terms of strategic priorities
  - Planning talks in terms of force packages
  - Requirements talks in terms of capabilities and gaps
  - Programming talks in terms of appropriations and PEs
  - Acquisition talks in terms of cost, schedule and performance parameters

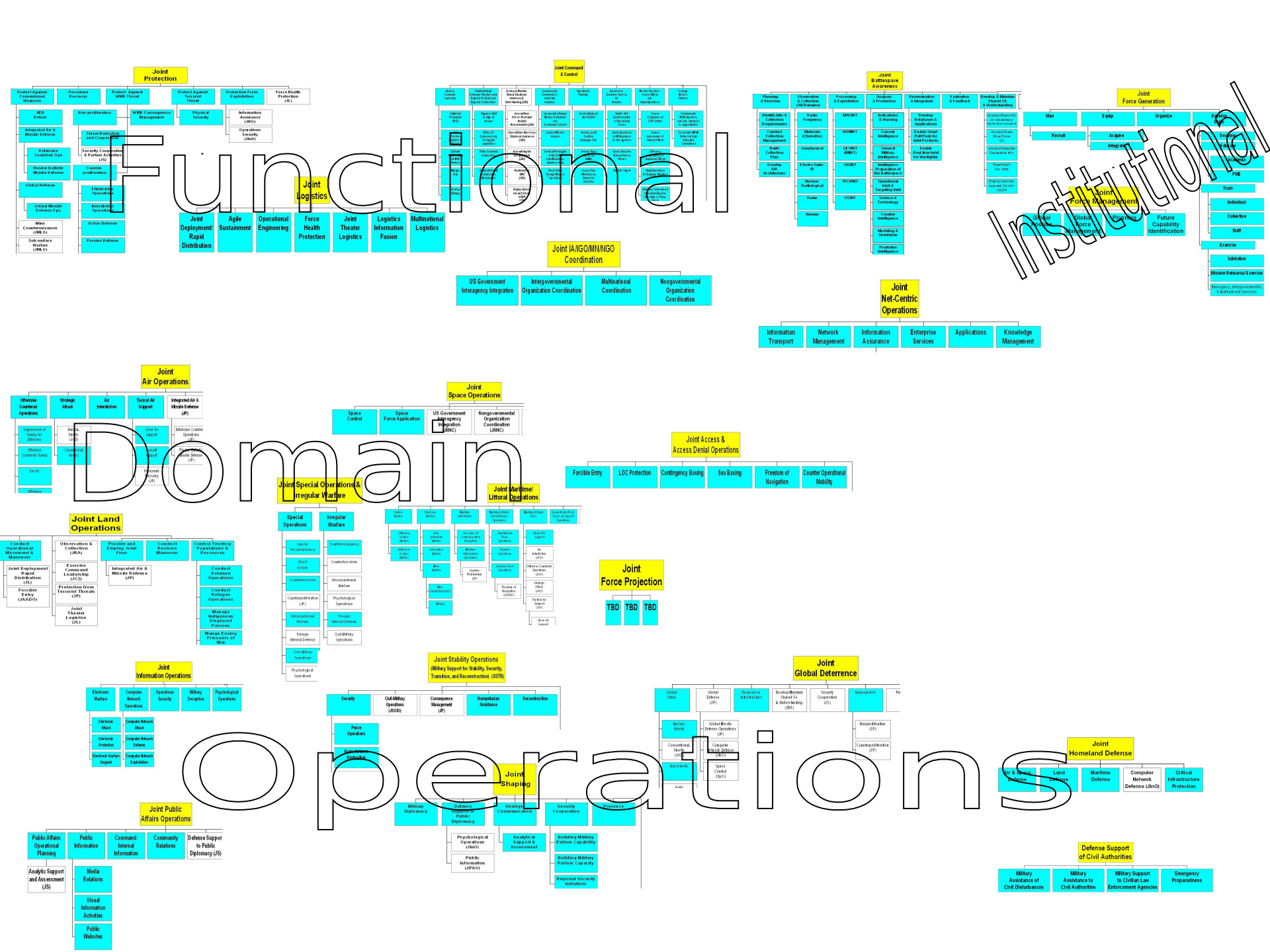
- **You cannot have an enterprise-wide capabilities-based strategy-to-task discussion without a common language**

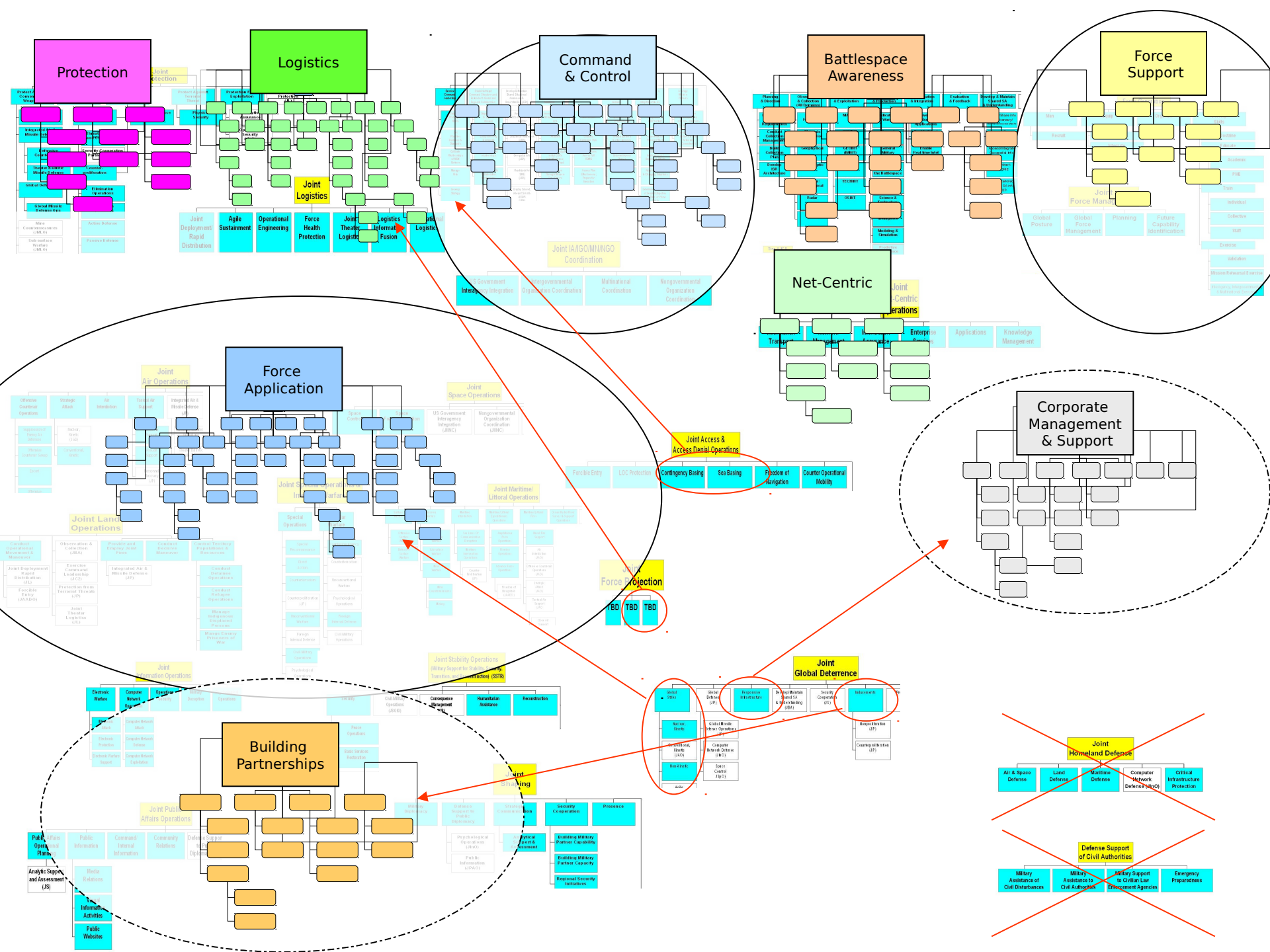
- **JCAs have provided a rudimentary language which**

DoD's Capabilities-Based Planning

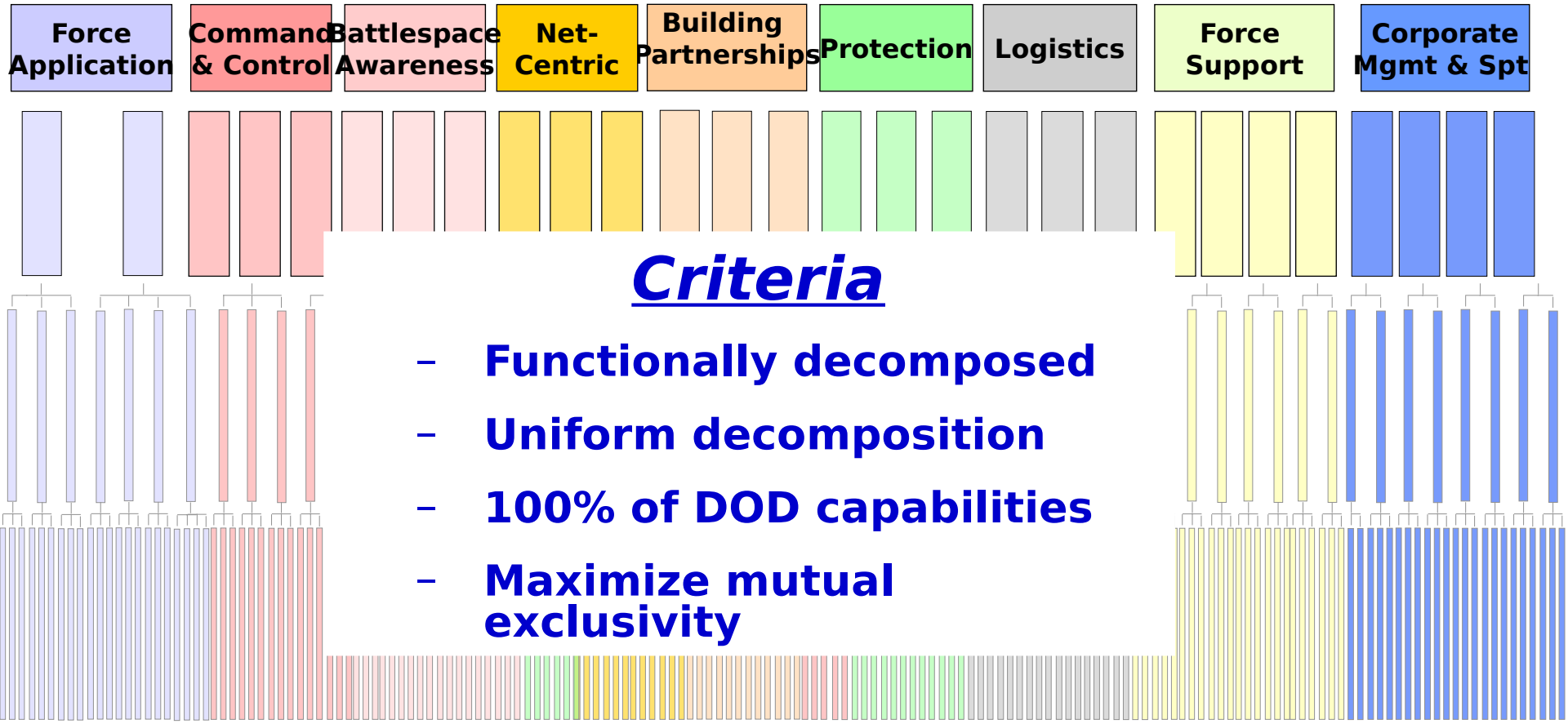
Problems with Original 21 JCAs

- **Multiple capability categories (*functional, operational, domains, institutional*) led to:**
  - Significant overlaps / redundancies across the JCAs
  - Complex framework with potentially unlimited growth
- **Lack of process discipline during development resulted in uneven/insufficient decomposition**
- **Consciously excluded DoD corporate support capabilities by focusing on CJTF commander requirements**


Joint Protection
Protect Against Conventional Weapons
Personnel Recovery
Protect Against WMD Threat
Protect Against Terrorist Threat
Protection From Exploitation
Force Health Protection (JL)
HE Defeat
Integrated Air & Missile Defense
Defensive Counterair Ops
Theater Ballistic Missile Defense
Global Defense
Global Missile Defense Ops
Mine Countermeasures (JMLO)
Sub-surface Warfare (JMLO)
Non-proliferation
Threat Reduction and Cooperation
Security Cooperation & Partner Activities (JS)
Counter-proliferation
Elimination Operations
Interdiction Operations
Active Defense
Passive Defense
WMD Consequence Management
Physical Security
Information Assurance (JNIO)
Operations Security (JInO)
Joint Command & Control
Joint Logistics
Joint Deployment/ Rapid Distribution
Agile Sustainment
Operational Engineering
Force Health Protection
Joint Theater Logistics
Logistics Information Fusion
Multinational Logistics
Joint IA/IGO/MN/NGO Coordination
US Government Interagency Integration
Intergovernmental Organization Coordination
Multinational Coordination
Nongovernmental Organization Coordination
Joint Battlespace Awareness
Planning & Direction
Identify Info & Collection Requirements
Conduct Collection Management
Direct Collection Plan
Develop ISR Architecture
Observation & Collection (All Domains)
Radio Frequency
Materials (Chem/Bio)
Geophysical
Electro-Optic IR
Nuclear Radiological
Radar
Human
Processing & Exploitation
MASINT
IMINT
GEOINT (IMINT)
SIGINT
TECHINT
OSINT
Analysis & Production
Indications & Warning
Current Intelligence
General Military Intelligence
Intelligence Preparation of the Battlespace
Operational Intel & Targeting Intel
Science & Technology
Counter Intelligence
Modeling & Simulation
Protective Intelligence
Dissemination & Integration
Develop Databases & Applications
Enable Smart Pull/Push for Intel Products
Enable Real-time Intel for Warfighter
Evaluation & Feedback
Develop & Maintain Shared SA & Understanding
Joint Force Generation
Man
Recruit
Equip
Acquire
Integrate
Organize
Develop Plans
Develop Doctrine
Educate
Set Standards
Train
Individual
Collective
Staff
Exercise
Validation
Mission Rehearsal Exercise
Joint Force Management
Global Posture
Global Force Management
Planning
Future Capability Identification
Joint Net-Centric Operations
Information Transport
Network Management
Information Assurance
Enterprise Services
Applications
Knowledge Management
Joint Air Operations
Offensive Counterair Operations
Strategic Attack
Air Interdiction
Tactical Air Support
Integrated Air & Missile Defense (JP)
Joint Space Operations
Space Control
Space Force Application
US Government Interagency Integration (JIIMC)
Nongovernmental Organization Coordination (JIIMC)
Joint Access & Access Denial Operations
Forcible Entry
LOC Protection
Contingency Basing
Sea Basing
Freedom of Navigation
Counter Operational Mobility
Joint Special Operations & Irregular Warfare
Special Operations
Irregular Warfare
Joint Maritime/ Littoral Operations
Joint Land Operations
Conduct Operational Movement & Maneuver
Joint Deployment/ Rapid Distribution (JL)
Forcible Entry (JAADO)
Observation & Collection (JISR)
Exercise Command Leadership (JC2)
Protection from Terrorist Threats (JP)
Joint Theater Logistics (JL)
Provide and Employ Joint Fires
Integrated Air & Missile Defense (JP)
Conduct Decisive Maneuver
Control Territory Populations & Resources
Conduct Detainee Operations
Conduct Refugee Operations
Manage Indigenous Displaced Persons
Mange Enemy Prisoners of War
Joint Force Projection
TBD
TBD
TBD
Joint Information Operations
Electronic Warfare
Computer Network Operations
Operations Security
Military Deception
Psychological Operations
Electronic Attack
Electronic Protection
Electronic Warfare Support
Computer Network Attack
Computer Network Defense
Computer Network Exploitation
Joint Stability Operations (Military Support for Stability, Security, Transition, and Reconstruction) (SSTR)
Security
Civil-Military Operations (JSOO)
Consequence Management (JP)
Humanitarian Assistance
Reconstruction
Peace Operations
Joint Global Deterrence
Joint Shaping
Military Diplomacy
Defense Support of Public Diplomacy
Strategic Communication
Security Cooperation
Presence
Psychological Operations (JInO)
Public Information (JPAO)
Analytical Support & Assessment
Building Military Partner Capability
Building Military Partner Capacity
Regional Security Initiatives
Joint Homeland Defense
Air & Space Defense
Land Defense
Maritime Defense
Computer Network Defense (JInO)
Critical Infrastructure Protection
Joint Public Affairs Operations
Public Affairs Operational Planning
Public Information
Command Internal Information
Community Relations
Defense Support to Public Diplomacy (JS)
Analytic Support and Assessment (JS)
Media Relations
Visual Information Activities
Public Websites
Defense Support of Civil Authorities
Military Assistance of Civil Disturbances
Military Assistance to Civil Authorities
Military Support to Civilian Law Enforcement Agencies
Emergency Preparedness
Functional
Institutional
Domain
Operations


Protection
Logistics
Command & Control
Battlespace Awareness
Force Support
Net-Centric
Force Application
Corporate Management & Support
Building Partnerships
Joint Logistics
Joint Access & Access Denial Operations
Contingency Basing
Sea Basing
Freedom of Navigation
Counter Operational Mobility
Joint Force Projection
TBD
TBD
TBD
Joint Global Deterrence
Joint Homeland Defense
Air & Space Defense
Land Defense
Maritime Defense
Computer Network Defense (CNDO)
Critical Infrastructure Protection
Defense Support of Civil Authorities
Military Assistance of Civil Disturbances
Military Assistance to Civil Authorities
Military Support to Civilian Law Enforcement Agencies
Emergency Preparedness

JROC Decision on Top-level JCAs



Criteria

- Functionally decomposed
- Uniform decomposition
- 100% of DOD capabilities
- Maximize mutual exclusivity

JCA Taxonomy (DSD approved 14 Feb 08)

Force Application

- **Maneuver**
  - Maneuver to Engage
  - Maneuver to Insert
  - Maneuver to Influence
  - Maneuver to Secure
- **Engagement**
  - Kinetic means
  - Non-Kinetic means

Command & Control

- **Organize**
  - Establish & maintain unity of effort w/ mission partners
  - Structure organization to mission
  - Foster organizational collaboration
- **Understand**
  - Organize Information
  - Develop Knowledge and Situational Awareness
  - Share Knowledge and Situational Awareness
- **Planning**
  - Analyze problem
  - Apply situational understanding
  - Develop strategy
  - Develop courses of action
  - Analyze courses of action
- **Decide**
  - Manage risk
  - Select actions
  - Establish rule sets
  - Establish intent and guidance
  - Intuit
- **Direct**
  - Communicate intent and guidance
  - Task
  - Establish metrics
- **Monitor**
  - Assess compliance with guidance
  - Assess effects
  - Assess achievement of objectives
  - Assess guidance

Battlespace Awareness

- **Intel, Surveil, & Recon**
  - ISR Planning & Direction
  - Collection
  - Processing / Exploitation
  - Analysis & Production
  - ISR Dissemination
- **Environment**
  - Collect
  - Analyze
  - Predict
  - Exploit

Net-Centric

- **Information Transport**
  - Switching and Routing
  - Wireless Transmission
  - Wired Transmission
- **Enterprise Services**
  - Core Enterprise Services
  - Information Sharing/Computing
  - Position Navigation and Timing
- **Net Management**
  - Optimized network functions & resources
  - Deployable, scalable & modular networks
  - Spectrum Management
  - Cyber Management
- **Information Assurance**
  - Secure Information Exchange
  - Protect Data and Networks
  - Respond to Attack / Event

Building Partnerships

- **Communicate**
  - Inform domestic and foreign audiences
  - Persuade partner audiences
  - Influence adversary & competitor audiences
- **Shape**
  - Partner w/ Governments & Institutions
  - Build Capabilities & Capacities of Partners & Institutions
  - Provide Aid to Foreign Partners & Institutions
  - Leverage Capacities & Capabilities of Security Estblishments
  - Strengthen Global Defense Posture

Protection

- **Prevent**
  - Prevent Kinetic Attack
  - Prevent Non-Kinetic Attack
- **Mitigate**
  - Mitigate Lethal Effects
  - Mitigate Non-Lethal Effects

Logistics

- **Deployment & Distribution**
  - Move the Force
  - Sustain the Force
  - Operate the JDDE
- **Supply**
  - Manage Supplies and Equipment
  - Inventory Management
  - Manage Supplier Networks
- **Maintain**
  - Inspect
  - Test
  - Service
  - Repair
  - Rebuild
  - Calibration
- **Logistics Services**
  - Food Service
  - Water and Ice Services
  - Basecamp Services
  - Hygiene Services
- **Operational Contract Support**
  - Contract Support Integration
  - Contractor Management
- **Engineering**
  - General Engineering
  - Combat Engineering
  - Geospatial Engineering

Force Support

- **Force Management**
  - Global Force Management
  - Force Configuration
  - Global Posture Execution
- **Force Preparation**
  - Training
  - Exercising
  - Educating
  - Doctrine
  - Lessons Learned
  - Concepts
  - Experimentation
- **Installations Support**
  - Real Property Life Cycle Mgmt
  - Installation Services
- **Human Capital Mgmt**
  - Personnel & Family Support
  - Personnel Management
- **Health Readiness**
  - Force Health Protection
  - Health Care Delivery
  - Health Service Support

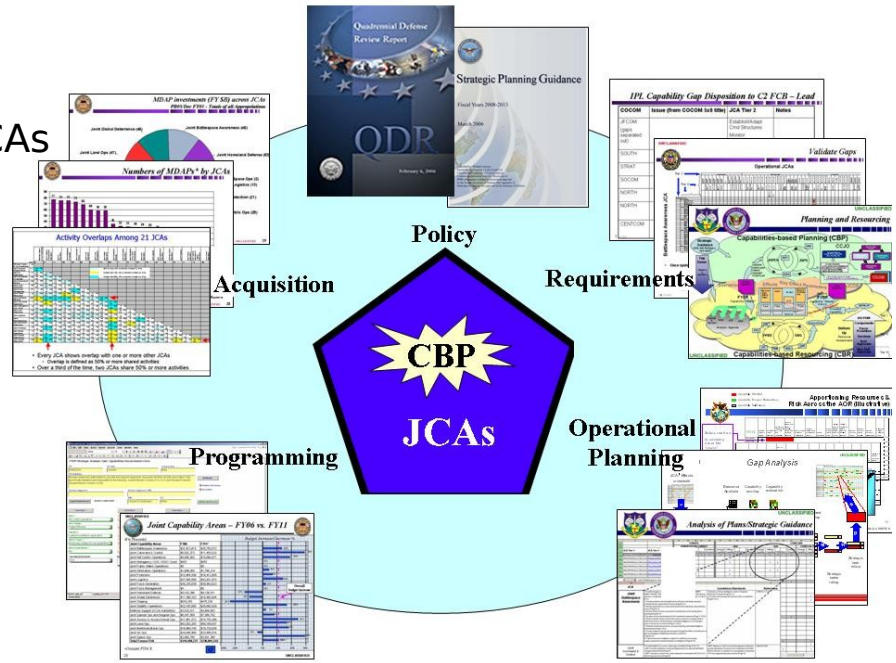
Corporate Management & Support

- **Advisory & Compliance**
  - Advice and External Matters
  - Audit, Inspection, & Investigation
  - Operational Test & Evaluation
- **Strategy & Assessment**
  - Strategy Development
  - Capabilities Development
  - Enterprise-wide Assessment
- **Information Management**
  - Enterprise Architecture
- **Acquisition**
  - Acquistion Program Execution
  - Contracting
- **Program, Budget and Finance**
  - Program/Budget and Performance
  - Accounting and Finance
- **Research & Development**
  - Basic Research
  - Applied Research
  - Studies & Analyses

Common Framework for Disparate Processes

- Organizing construct for GDF & JPG
  - Where to assume risk / increase focus
- Strategy to task analysis

- Capability Portfolios (PfM) aligned to JCAs
- MDAPS mapped to JCAs
- Joint Testing & Evaluation analysis construct (JTEM)

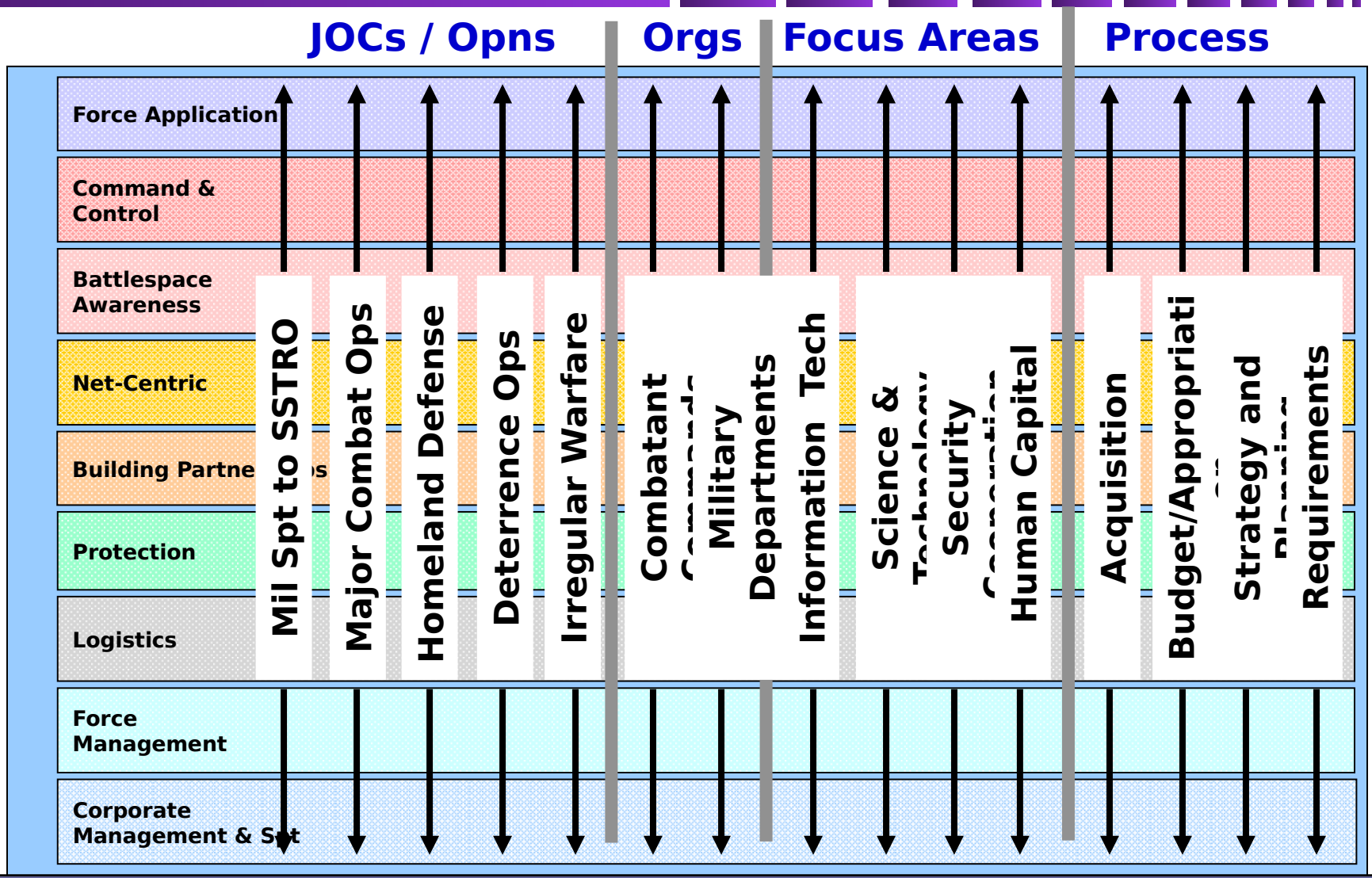


- Operational to Functional Concept crosswalk
- JCIDS documents
- IPL submissions
- Capability Prioritization
- Lines of Joint Experimentation (LOJX)
- DOD IT Portfolio Management (ITAM)

- Program Elements mapped to JCAs for POM 10 analysis

- Linking Plans to Resources (LPTR)
- Defense Readiness Reporting System (DRRS)

Vision



Functionally aligned JCAs simplify the framework & increases utility across DOD by facilitating cross-referenced views by operations, components, processes, and activities

Way Forward (from DAWG approval briefing)

- 6 Dec 07: JROC
- 13 Dec 07: JROC Executive Session
- 15 Jan 08: DAWG
- Post DAWG Actions
  - Support DJS & PDUSD(P) in developing Departmental JCA implementation plan
  - Follow-on refinement; directed by flag level steering group, and approved by DJS & PDUSD(P)
  - Deploy JCA Management System (JCAMS)
    - Web-base authoritative JCA database
    - Rebaselined JCAs mapped to initial 21 tier 1 & 240 tier 2 JCAs
  - Update JCA linkages
    - UJTLs
    - PEs
    - MDAPs